



Missouri
Department of
Natural Resources

USCE-St Louis District
Power Plant Name: Clarence Cannon
Electric Generation and Emissions in 2011

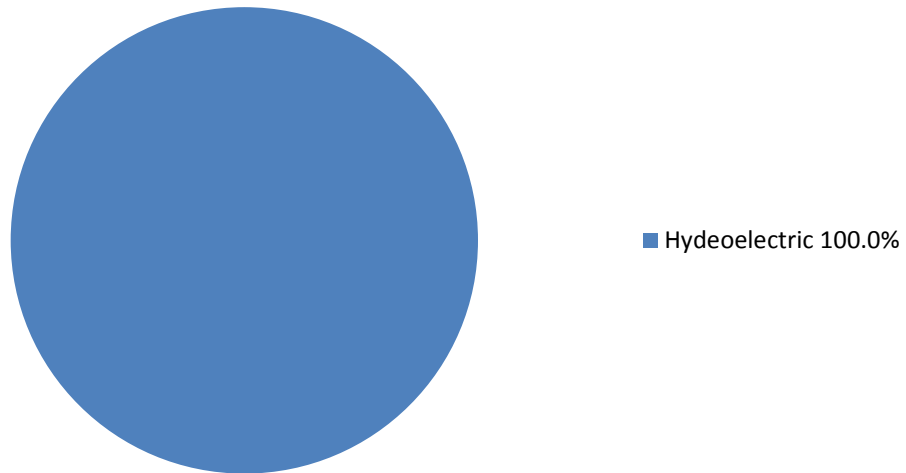
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas						
Petroleum						
Nuclear						
Other						
Non-renewable total						
Renewable sources						
Biomass						
Hydroelectric	303,198	100.0%	100.0%	65,555	100.0%	100.0%
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total	303,198	100.0%	100.0%	65,555	100.0%	100.0%
Grand total	303,198		100.0%	65,555		100.0%

Fuel Type	Physical Units	Number of Units
Hydroelectric	MMBTU	303,198



Net Generation by Fuel Type, 2011 for Clarence Cannon





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Power Plant Nameplate information for Clarence Cannon

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>Clarence Cannon</i>		<i>All Operating Generators</i>			<i>232.0</i>
Clarence Cannon	Ralls	1	Hydroelectric Turbine (includes turbines associated with delivery of water by pipeline)	Operating - in service	108.0
Clarence Cannon	Ralls	2	Hydraulic Turbine, Reversible (pumped storage)	Operating - in service	124.0



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Emissions from Electricity Generated in 2011: Clarence Cannon

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Clarence Cannon	0	0	0	0

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Clarence Cannon	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Clarence Cannon power plant

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Clarence Cannon power plant

Plant	Control Equipment
	No FGP Controls Installed



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Notes:

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>